

SUB
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CLAIMS

- SUB
B7
- 006290" 6924560
- SUB
A2
1. Flat or semi-flat element (1) including a partly or completely circumambient frame (2), which element (1) is manufactured through moulding of a polymeric material, preferably injection moulding of a thermoplastic material, ~~characterised~~ in that the element (1) includes a carrying structure, constituted by the frame (2), and an intermediate wall section (3), which wall section (3) is connected to the frame (2) via a resilient section (4), the resilient section (4) being a part of the wall section (3), wherein differences in the temperature related shrinkage between the frame (2) and the wall section (3) is absorbed by the resilient section (4) whereby warping of the element (1) is avoided.
- a 2. Flat or semi-flat element (1) according to claim 1 ~~characterised~~ ^{characterized} in that the frame (2) is formed by a U-shaped profile, a number of tightly placed ribs, a closed hollow profile or the like.
- a3. Flat or semi-flat element (1) according to claim 1 ~~or 2 characterised~~ ^{characterized} in that the wall section (3) is connected to the frame (2) at or very close to the gravity centre line (5) of the frame (2).
4. Flat or semi-flat element (1) according to any of the claims 1 - 3 ~~characterised~~ in that the frame (2) is a closed hollow profile formed through injection of a pressurised fluid into a still molten thermoplastic material, that the material thickness of the wall section (3) is thinner closest to the connection between the frame (2) and the wall section (3) than the average thickness of the wall section (3) and the frame (2), whereby a barrier is formed in this connection part at the solidification of the thermoplastic material, which barrier prevents the pressurised fluid from entering the wall section (3) during the manufacturing process.
- a4 5. Flat or semi-flat element (1) according to ~~any of the claims 1 - 3~~ ^{characterized} ~~characterised~~ in that the material thickness of the wall section (3) is thinner closest to the connection between the frame (2) and the wall section (3) than the average thickness of the wall section (3) and the frame (2), whereby a pivot line is formed, which pivot line facilitates resilient action in the wall section (3).
6. Flat or semi-flat element (1) according to ~~any of the claims 1 - 5~~ ^{characterized} ~~characterised~~ in that the element (1) forms a side wall of a container or a collapsible container, a bottom section of a container or a collapsible container or a lid of a container or the like.
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- ADD A1 A3 ADD B14